Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P1223944

Luminaire Tested: **FFX-CLB-70-730-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223944
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-730-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9772.1 lumens
Efficiency:	N/A
Efficacy:	137.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

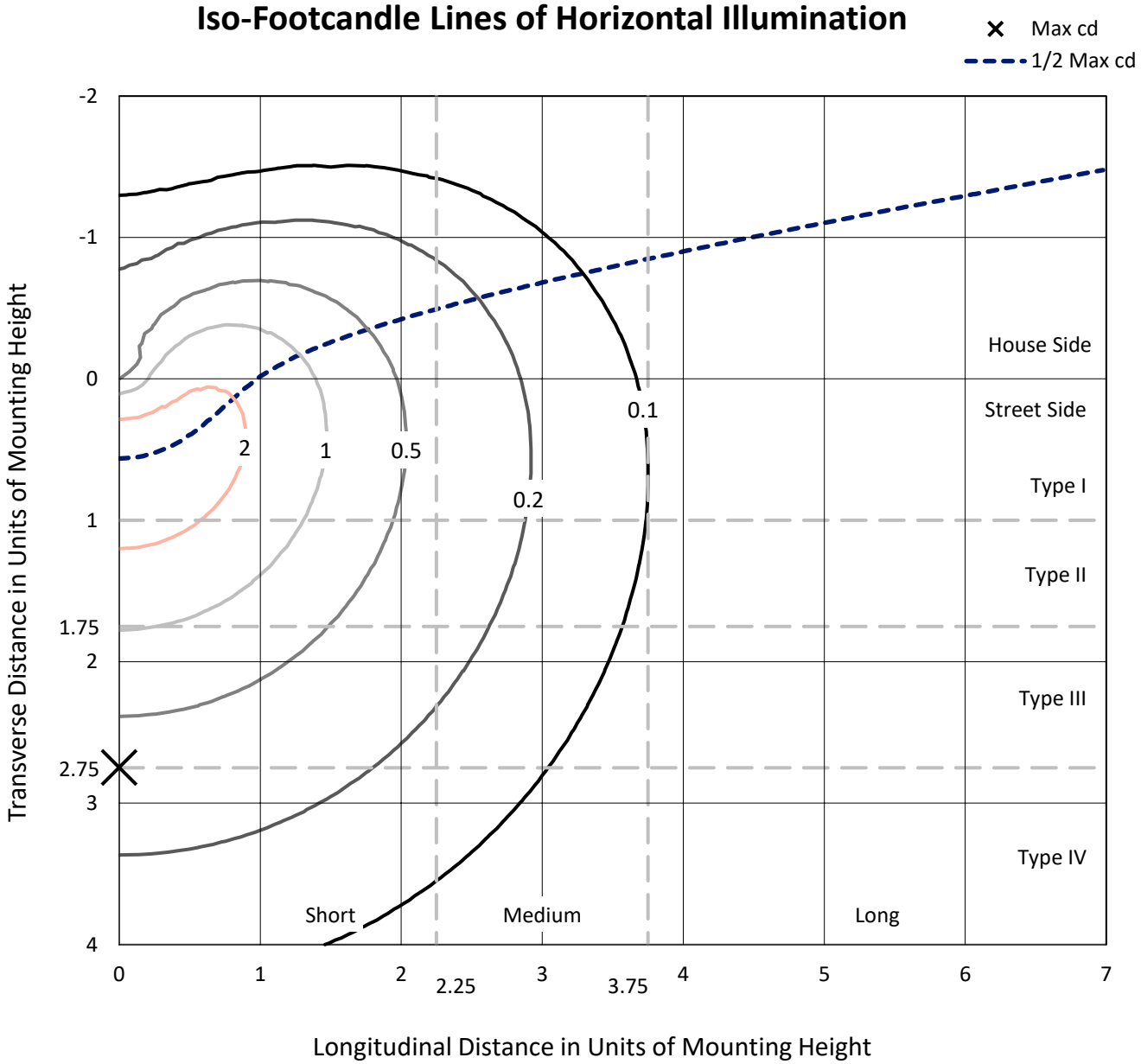


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Iso-Footcandle Lines of Horizontal Illumination



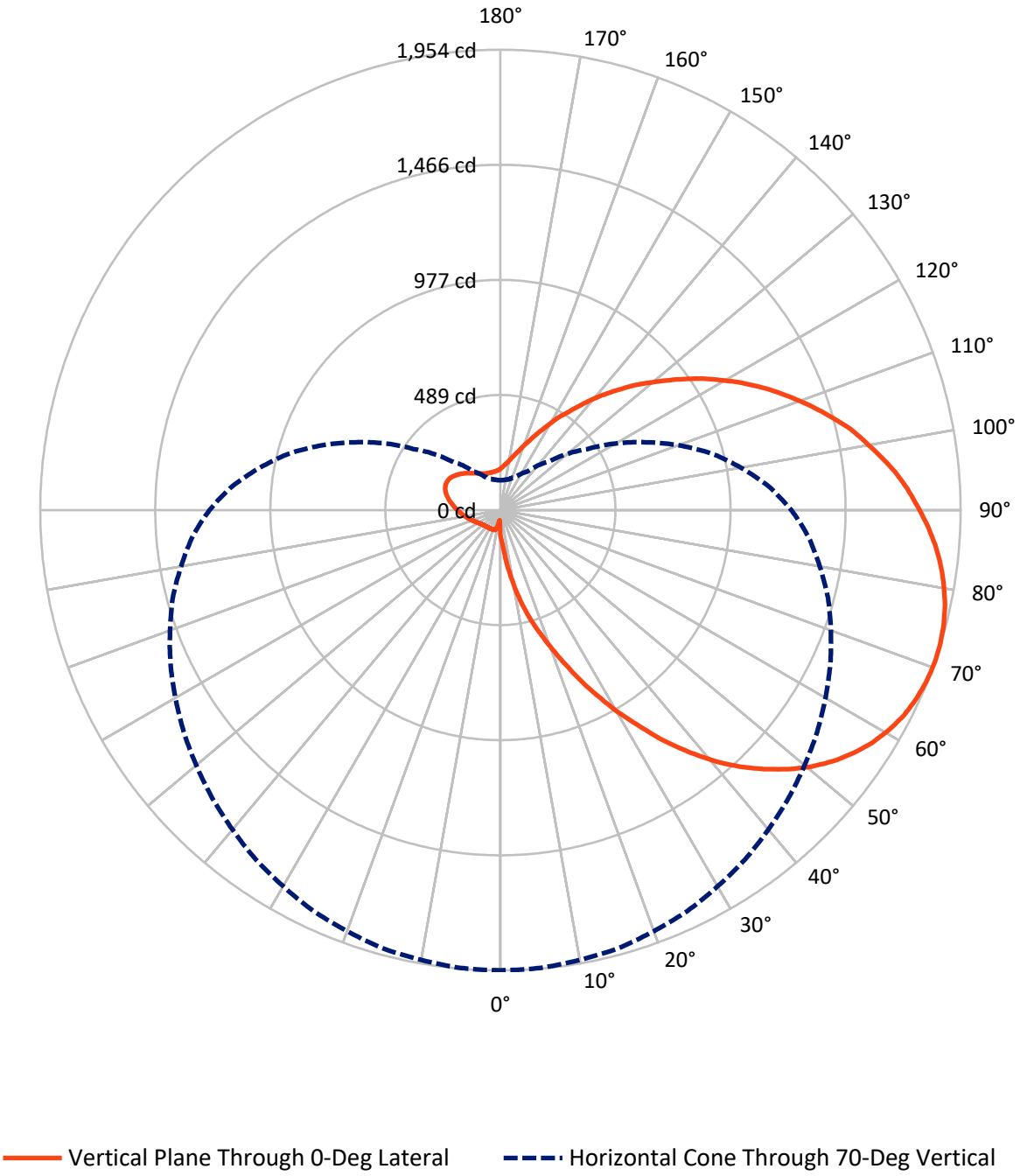
Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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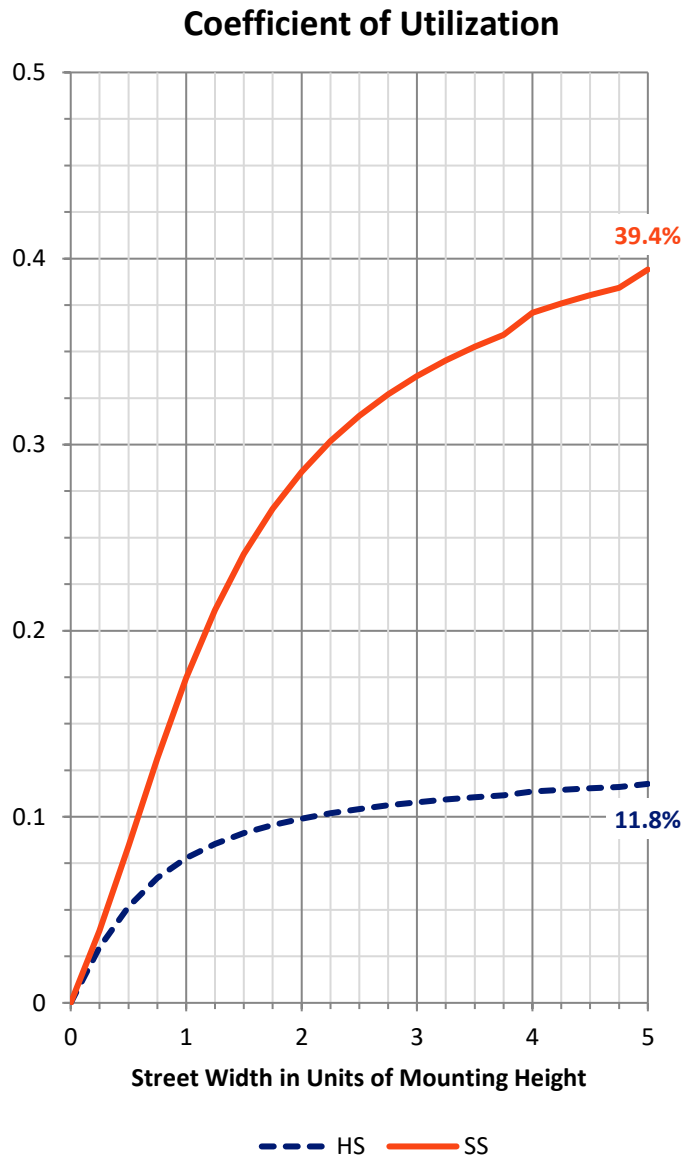
REPORT NUMBER: P1223944
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1253.0	1209.0	2462.0
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	4401.5	2908.6	7310.1
	% Fixture	45.0	29.8	74.8
Total	Lumens	5654.5	4117.6	9772.1
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.2
10°-20°	85.4	0.9
20°-30°	224.8	2.3
30°-40°	436.6	4.5
40°-50°	680.3	7.0
50°-60°	897.5	9.2
60°-70°	1053.9	10.8
70°-80°	1133.9	11.6
80°-90°	1127.4	11.5
90°-100°	1048.2	10.7
100°-110°	920.3	9.4
110°-120°	756.9	7.7
120°-130°	569.8	5.8
130°-140°	386.2	4.0
140°-150°	233.8	2.4
150°-160°	125.9	1.3
160°-170°	59.3	0.6
170°-180°	17.2	0.2
0°-90°	5654.5	57.9
0°-180°	9772.1	100.0



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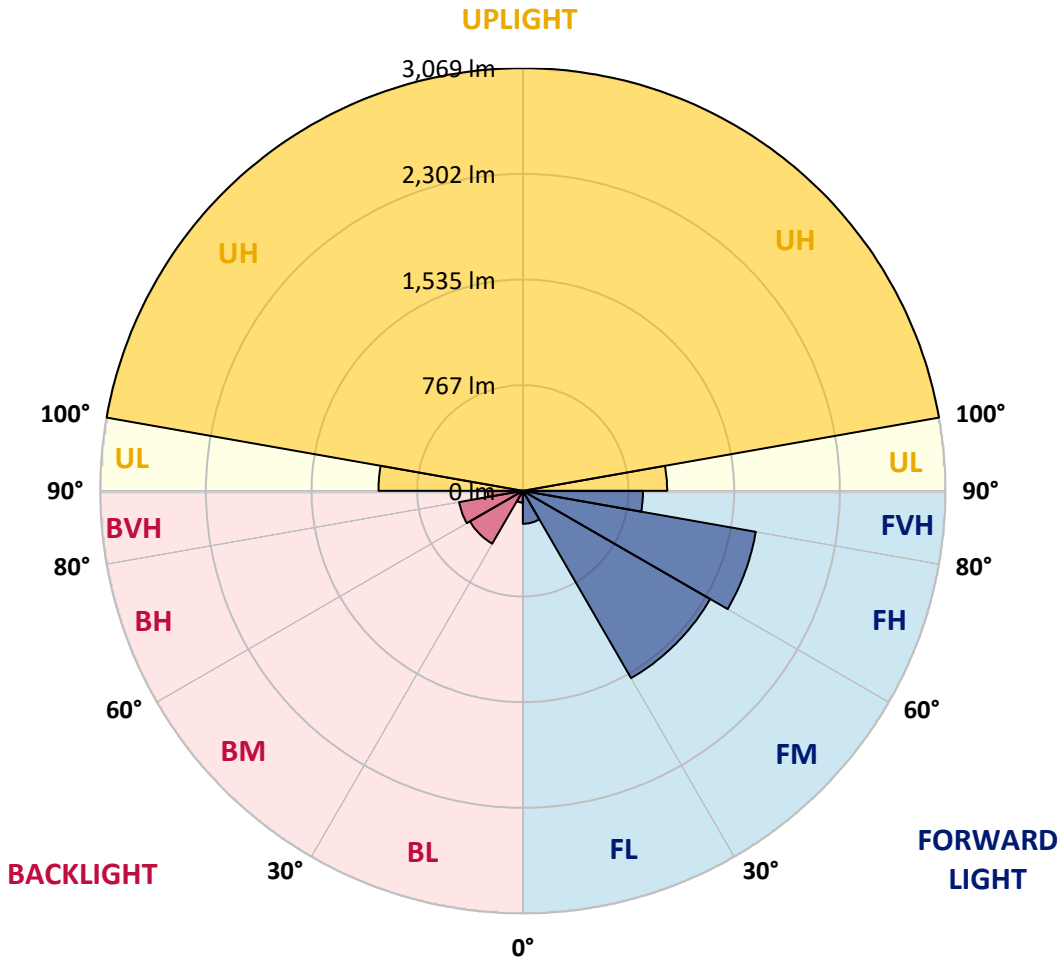
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	239.4	2.4			
FM	(30°-60°)	1571.0	16.1			
FH	(60°-80°)	1718.2	17.6			G1/1800
FVH	(80°-90°)	872.8	8.9			G5
BL	(0°-30°)	85.5	0.9	B0/110		
BM	(30°-60°)	443.4	4.5	B1/1000		
BH	(60°-80°)	469.6	4.8	B1/500		G1/500
BVH	(80°-90°)	254.5	2.6			G3/500
UL	(90°-100°)	1048.2	10.7		U5	
UH	(100°-180°)	3069.4	31.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*111.8*	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	*136.1*	136.9	136.1	136.1	137.6	136.1	134.7	129.7	124.0	116.8	113.2
5°	*190.6*	190.6	194.2	194.2	190.6	182.7	173.4	160.5	149.0	136.9	128.3
7.5°	*260.1*	261.5	258.7	251.5	247.2	231.4	222.1	205.6	191.3	174.8	167.0
10°	*332.5*	333.2	329.6	323.2	309.5	293.8	280.2	260.8	242.2	220.7	209.2
12.5°	*409.9*	408.4	402.0	387.7	379.8	361.9	343.9	323.9	298.8	272.3	258.7
15°	*483.7*	480.8	477.9	462.9	452.1	434.2	413.4	386.2	356.8	327.5	307.4
17.5°	*554.6*	548.2	543.9	536.7	520.2	504.4	477.9	445.7	414.2	375.5	354.7
20°	*630.6*	632.0	624.8	614.8	596.9	574.0	548.2	513.8	474.4	428.5	403.4
22.5°	*715.8*	715.8	711.5	698.6	680.0	650.6	620.5	584.7	536.0	488.0	457.2
25°	*810.4*	805.4	799.7	783.2	767.4	735.9	700.1	661.4	610.5	552.5	518.1
27.5°	*904.3*	902.1	896.4	878.5	858.4	825.5	789.6	739.5	684.3	616.2	580.4
30°	*1003.9*	1001.7	996.0	978.8	949.4	917.2	874.2	820.4	760.3	683.6	644.2
32.5°	*1099.9*	1099.9	1092.7	1074.8	1044.0	1005.3	959.5	899.3	832.6	753.8	706.5
35°	*1206.7*	1205.9	1193.0	1171.6	1134.3	1100.6	1049.0	986.0	910.7	820.4	770.3
37.5°	*1304.8*	1301.2	1288.4	1265.4	1231.0	1187.3	1129.3	1059.8	982.4	886.4	829.8
40°	*1401.6*	1397.3	1385.8	1360.0	1318.4	1269.0	1209.5	1135.0	1047.6	948.0	889.2
42.5°	*1489.0*	1487.6	1471.1	1440.3	1398.7	1342.8	1279.0	1200.2	1112.8	1005.3	943.0
45°	*1568.5*	1568.5	1552.0	1518.4	1471.1	1414.5	1344.2	1263.3	1170.1	1057.6	991.7
47.5°	*1643.8*	1643.8	1628.0	1589.3	1537.0	1474.7	1403.0	1319.2	1220.3	1104.9	1034.7
50°	*1711.8*	1709.0	1691.0	1648.1	1595.0	1529.8	1454.6	1366.5	1266.9	1147.2	1076.3
52.5°	*1770.6*	1767.0	1746.2	1706.1	1646.6	1577.1	1498.3	1408.7	1304.8	1183.7	1111.4
55°	*1820.0*	1817.9	1797.8	1752.0	1689.6	1620.1	1536.3	1443.1	1340.7	1214.5	1141.5
57.5°	*1863.0*	1859.4	1835.8	1789.2	1726.9	1650.9	1566.4	1473.9	1367.9	1242.5	1166.5
60°	*1895.3*	1891.7	1867.3	1820.7	1757.7	1677.4	1592.9	1499.0	1391.5	1264.7	1187.3
62.5°	*1921.8*	1917.5	1893.8	1844.4	1778.5	1699.6	1612.9	1517.6	1410.2	1282.6	1205.2
65°	*1938.3*	1934.7	1911.7	1862.3	1794.2	1714.7	1628.0	1532.0	1425.2	1296.2	1218.8
67.5°	*1949.0*	1946.1	1922.5	1874.5	1806.4	1725.4	1637.3	1541.3	1435.2	1306.3	1228.9
70°	*1954.0*	*1951.2*	*1926.8*	*1878.1*	*1810.7*	*1729.7*	*1641.6*	*1545.6*	*1440.3*	*1313.4*	*1235.3*
71°	*1954.0*	1951.2	1927.5	1878.8	1811.4	1730.5	1642.3	1546.3	1441.0	1314.1	1236.0
72.5°	*1951.9*	1949.7	1926.1	1876.6	1809.3	1729.0	1640.2	1545.6	1441.0	1314.9	1237.5
75°	*1944.0*	1939.7	1916.8	1868.8	1802.1	1721.9	1633.7	1539.1	1436.7	1312.7	1236.0
77.5°	*1929.7*	1926.1	1902.4	1855.9	1789.2	1708.2	1620.8	1528.4	1428.1	1305.5	1230.3
80°	*1908.9*	1905.3	1882.4	1834.4	1768.4	1690.3	1602.9	1511.9	1413.0	1294.1	1220.3
82.5°	*1882.4*	1879.5	1857.3	1809.3	1744.1	1666.7	1579.3	1490.4	1396.5	1278.3	1205.9
85°	*1850.8*	1847.3	1822.9	1775.6	1713.3	1635.9	1550.6	1464.6	1372.9	1259.0	1188.8
87.5°	*1812.9*	1810.7	1786.4	1741.2	1678.9	1602.2	1520.5	1436.7	1346.4	1237.5	1169.4
90°	*1771.3*	1770.6	1744.8	1699.6	1638.0	1565.7	1484.7	1403.0	1315.6	1211.7	1145.8
92.5°	*1729.7*	1729.7	1703.9	1657.4	1596.5	1524.8	1448.1	1369.3	1286.2	1185.9	1122.8
95°	*1683.9*	1678.9	1654.5	1612.9	1552.0	1483.3	1409.4	1332.1	1251.8	1156.5	1097.0
97.5°	*1630.1*	1628.7	1605.1	1560.6	1504.7	1438.8	1367.2	1295.5	1218.1	1126.4	1069.8
100°	*1577.8*	1575.0	1552.8	1511.9	1454.6	1391.5	1324.2	1255.4	1182.3	1095.6	1041.1
102.5°	*1526.2*	1519.1	1496.1	1454.6	1404.4	1342.8	1279.8	1216.7	1145.0	1062.6	1011.8
105°	*1463.9*	1463.2	1439.5	1400.1	1349.3	1294.8	1235.3	1173.7	1108.5	1029.0	981.7
107.5°	*1403.0*	1403.0	1380.8	1342.1	1294.1	1241.8	1188.8	1130.7	1070.5	993.8	950.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1340.7*	1339.9	1319.9	1285.5	1239.6	1189.5	1140.7	1087.7	1027.5	960.2	917.9
112.5°	*1279.0*	1277.6	1258.3	1223.1	1180.9	1140.0	1091.3	1042.6	987.4	925.1	884.9
115°	*1216.7*	1215.3	1194.5	1163.7	1125.0	1082.7	1041.9	995.3	947.3	884.9	849.8
117.5°	*1152.2*	1150.8	1133.6	1103.5	1066.9	1033.3	992.4	952.3	903.6	847.0	811.8
120°	*1086.3*	1087.0	1069.8	1042.6	1008.9	977.4	941.5	905.0	859.9	806.1	772.4
122.5°	*1023.9*	1018.9	1007.5	983.1	953.0	923.6	893.5	856.3	814.0	763.1	733.7
125°	*957.3*	955.9	944.4	920.0	894.2	871.3	843.4	809.7	771.0	719.4	692.9
127.5°	*892.8*	895.0	882.1	864.2	839.1	819.7	791.1	761.7	724.4	677.9	652.8
130°	*832.6*	831.2	824.0	805.4	784.6	764.6	743.1	716.5	681.4	634.9	611.9
132.5°	*776.7*	770.3	763.8	748.1	730.9	714.4	695.8	669.3	633.4	592.6	572.5
135°	*715.8*	715.8	705.8	692.2	680.0	664.2	645.6	621.2	590.4	554.6	531.7
137.5°	*659.9*	657.1	650.6	639.9	628.4	616.9	601.2	576.8	549.6	515.2	495.1
140°	*606.9*	604.8	599.0	589.7	580.4	569.7	555.3	534.5	509.5	476.5	459.3
142.5°	*551.7*	553.2	548.2	541.7	531.0	523.8	510.9	492.3	470.1	441.4	424.9
145°	*502.3*	503.0	500.9	494.4	486.5	479.4	465.8	452.1	430.6	404.8	392.7
147.5°	*461.5*	458.6	454.3	450.7	443.5	437.8	427.1	414.2	394.1	371.9	360.4
150°	*415.6*	417.7	413.4	409.1	404.8	397.0	389.1	378.3	359.7	341.8	329.6
152.5°	*376.9*	378.3	374.8	372.6	368.3	361.9	354.0	343.9	329.6	313.8	302.4
155°	*342.5*	342.5	342.5	339.6	334.6	330.3	322.4	313.1	300.9	286.6	278.7
157.5°	*311.0*	311.7	311.7	308.1	304.5	300.9	294.5	286.6	275.9	263.7	258.0
160°	*285.9*	284.5	283.8	280.9	278.0	275.2	269.4	263.0	253.7	243.6	238.6
162.5°	*260.8*	260.8	259.4	257.2	255.1	250.8	247.2	240.8	234.3	227.1	221.4
165°	*241.5*	240.8	240.8	237.9	235.7	232.2	228.6	224.3	218.5	212.1	207.8
167.5°	*225.0*	223.6	222.8	221.4	218.5	216.4	212.8	209.2	204.9	200.6	197.1
170°	*209.2*	209.9	208.5	207.1	205.6	203.5	200.6	197.8	194.2	189.9	188.5
172.5°	*198.5*	197.8	197.1	195.6	194.2	192.0	190.6	187.7	185.6	182.7	181.3
175°	*188.5*	188.5	187.7	186.3	184.9	183.4	182.0	180.6	179.1	177.0	176.3
177.5°	*180.6*	180.6	180.6	179.1	178.4	177.7	176.3	175.6	174.8	173.4	173.4
180°	*172.7*	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	109.6	100.3	92.4	85.3	79.5	74.5	71.7	66.6	63.1	60.9
5°	123.2	109.6	98.2	86.7	78.1	68.8	59.5	50.2	44.4	43.7
7.5°	156.2	141.2	124.0	108.9	91.7	77.4	65.2	55.9	52.3	51.6
10°	197.8	175.6	152.6	130.4	108.2	90.3	77.4	68.8	64.5	63.8
12.5°	243.6	213.5	184.2	155.5	129.0	108.9	93.2	83.1	78.1	78.1
15°	290.9	253.7	216.4	181.3	150.5	125.4	106.0	93.2	87.4	86.7
17.5°	332.5	290.2	245.8	204.2	167.0	135.4	112.5	96.7	89.6	88.9
20°	379.8	326.0	275.2	223.6	179.9	143.3	116.1	98.2	88.9	88.1
22.5°	429.9	369.0	306.0	245.8	193.5	151.2	119.7	99.6	89.6	88.1
25°	486.5	413.4	337.5	268.0	207.1	158.4	123.2	101.0	90.3	88.9
27.5°	540.3	459.3	371.2	288.8	219.3	164.8	126.1	102.5	91.0	89.6
30°	597.6	504.4	404.1	311.0	232.2	171.3	129.0	103.2	91.0	89.6
32.5°	655.6	548.2	438.5	331.0	242.9	175.6	130.4	103.9	91.7	90.3
35°	717.3	595.5	470.8	351.8	252.9	179.9	131.8	104.6	91.7	90.3
37.5°	773.9	640.6	502.3	369.7	261.5	183.4	133.3	104.6	92.4	91.0
40°	824.7	681.4	530.2	385.5	268.7	185.6	134.0	105.3	93.2	91.7
42.5°	874.9	721.6	555.3	398.4	274.4	187.0	134.7	106.0	93.9	92.4
45°	919.3	755.2	578.3	410.6	278.7	188.5	135.4	106.8	94.6	93.2
47.5°	958.7	786.8	599.7	420.6	281.6	189.2	136.1	107.5	96.0	94.6
50°	996.7	816.9	616.2	428.5	284.5	189.9	136.1	108.9	98.2	96.7
52.5°	1029.0	841.2	631.3	434.9	285.9	190.6	137.6	110.3	99.6	98.9
55°	1056.9	862.7	644.9	440.0	287.3	190.6	139.0	112.5	102.5	101.0
57.5°	1079.8	879.9	654.2	442.8	287.3	191.3	139.7	115.4	105.3	103.9
60°	1099.9	895.0	662.8	446.4	288.1	192.0	141.9	118.2	108.9	108.2
62.5°	1116.4	906.4	669.3	448.6	288.8	194.2	144.7	121.8	112.5	111.8
65°	1129.3	916.5	674.3	450.0	289.5	195.6	147.6	125.4	117.5	116.8
67.5°	1137.9	923.6	677.9	450.7	290.2	197.8	151.2	130.4	122.5	121.1
70°	*1144.3*	*927.9*	*680.0*	*451.4*	*291.6*	*199.9*	*155.5*	*134.7*	*127.5*	*126.8*
71°	1145.8	928.6	680.7	451.4	292.4	201.3	156.9	136.9	129.7	129.0
72.5°	1146.5	929.4	680.7	451.4	293.1	203.5	159.8	140.4	133.3	132.6
75°	1145.8	928.6	680.0	451.4	294.5	207.1	164.8	145.5	139.0	138.3
77.5°	1140.7	925.8	677.9	451.4	296.7	211.4	170.5	152.6	145.5	144.7
80°	1132.1	920.0	674.3	450.7	298.8	216.4	176.3	159.1	151.9	151.2
82.5°	1120.7	911.4	669.3	450.7	301.7	220.7	182.0	164.8	159.1	158.4
85°	1105.6	901.4	664.2	450.0	305.2	226.4	189.2	172.7	167.0	165.5
87.5°	1087.7	889.2	658.5	450.0	308.8	232.9	196.3	179.9	174.1	172.7
90°	1067.7	875.6	652.8	450.0	313.1	239.3	204.2	187.7	181.3	180.6
92.5°	1047.6	862.7	647.0	450.7	318.9	246.5	212.1	196.3	189.9	189.9
95°	1024.7	847.0	640.6	452.1	324.6	254.4	221.4	204.9	198.5	197.8
97.5°	1001.7	832.6	635.6	454.3	331.0	263.7	230.0	214.2	207.8	206.4
100°	975.9	817.6	630.6	457.2	338.9	272.3	239.3	223.6	217.1	216.4
102.5°	950.9	801.1	624.8	460.7	346.8	282.3	249.4	232.9	226.4	225.7
105°	923.6	783.9	618.4	463.6	354.7	291.6	258.7	241.5	234.3	234.3
107.5°	897.1	766.0	611.9	467.2	362.6	300.9	267.3	250.1	242.2	241.5

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1223944
CATALOG NUMBER: FFX-CLB-70-730-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	867.0	746.6	604.0	469.3	369.7	308.8	275.2	256.5	248.6	247.9
112.5°	839.8	725.9	595.5	470.1	376.2	316.0	281.6	262.3	254.4	252.9
115°	805.4	704.4	584.0	468.6	379.8	321.7	285.9	265.8	257.2	255.8
117.5°	772.4	680.0	571.8	465.0	381.9	324.6	288.8	268.0	258.7	257.2
120°	738.8	652.8	554.6	458.6	379.8	324.6	288.8	266.6	257.2	256.5
122.5°	700.8	624.1	536.7	449.3	376.2	321.7	285.9	264.4	254.4	253.7
125°	661.4	593.3	515.2	436.4	369.0	317.4	281.6	260.1	250.1	249.4
127.5°	623.4	561.8	493.0	421.3	359.0	310.3	275.9	253.7	243.6	242.2
130°	586.1	528.8	467.9	403.4	346.8	300.9	268.0	247.2	237.2	235.7
132.5°	547.4	497.3	442.8	386.2	333.9	290.9	259.4	239.3	230.0	228.6
135°	510.9	464.3	415.6	365.4	318.9	279.5	250.1	231.4	222.1	221.4
137.5°	475.8	433.5	390.5	345.4	303.8	268.0	240.8	223.6	215.0	213.5
140°	440.0	403.4	364.7	326.0	287.3	255.8	231.4	215.0	207.1	205.6
142.5°	409.1	374.8	340.4	304.5	271.6	242.9	221.4	206.4	199.9	199.2
145°	376.9	346.8	316.0	285.2	256.5	231.4	212.1	199.2	192.8	192.0
147.5°	348.2	319.6	293.1	266.6	241.5	219.3	202.8	192.0	187.0	186.3
150°	318.9	295.9	273.0	248.6	227.1	208.5	194.9	185.6	180.6	179.9
152.5°	293.1	273.7	252.9	234.3	214.2	199.2	187.7	179.1	175.6	174.8
155°	270.9	254.4	237.2	220.0	204.2	192.0	182.0	174.8	172.0	172.0
157.5°	251.5	237.2	222.8	208.5	195.6	184.9	177.0	172.0	169.1	168.4
160°	232.9	221.4	208.5	197.8	187.7	179.9	173.4	169.1	167.0	166.2
162.5°	217.8	207.8	199.2	189.9	182.0	175.6	170.5	167.0	165.5	165.5
165°	204.9	197.8	189.9	183.4	177.0	172.0	168.4	166.2	164.8	164.8
167.5°	194.9	188.5	183.4	177.7	173.4	169.8	167.0	165.5	164.8	164.1
170°	186.3	182.0	177.7	174.1	170.5	168.4	166.2	165.5	164.8	164.8
172.5°	179.9	177.0	174.1	171.3	169.1	167.0	166.2	165.5	165.5	165.5
175°	174.8	173.4	171.3	169.8	168.4	167.7	167.0	167.0	167.0	167.0
177.5°	172.7	171.3	170.5	169.8	169.1	169.1	169.1	169.8	169.8	169.8
180°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

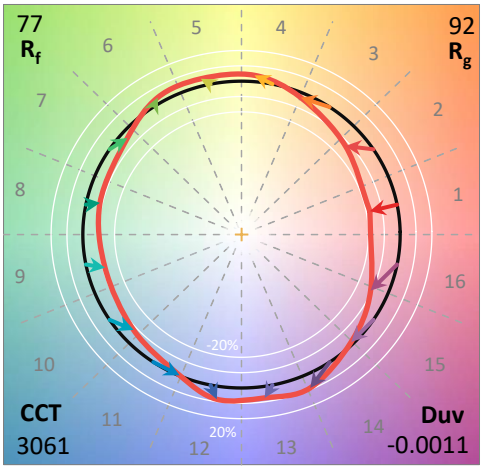
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

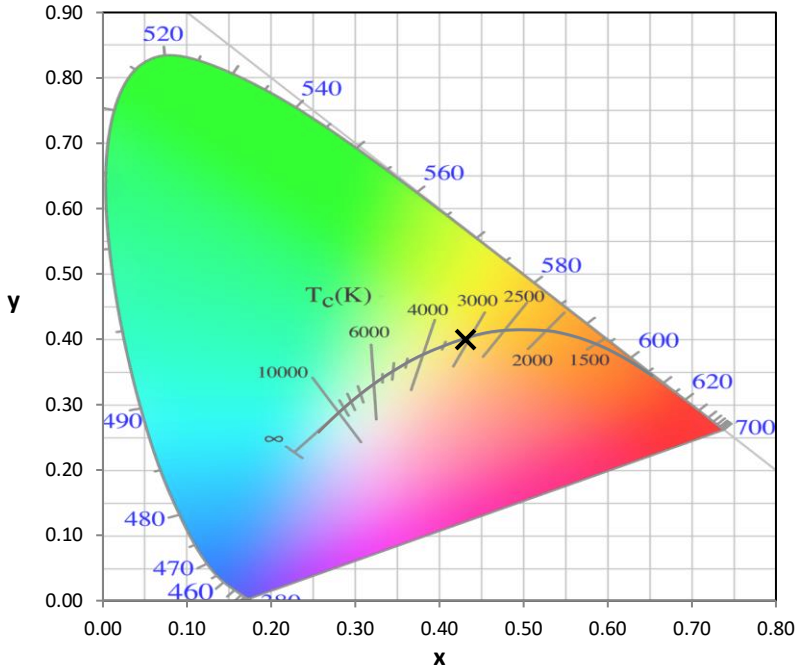
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

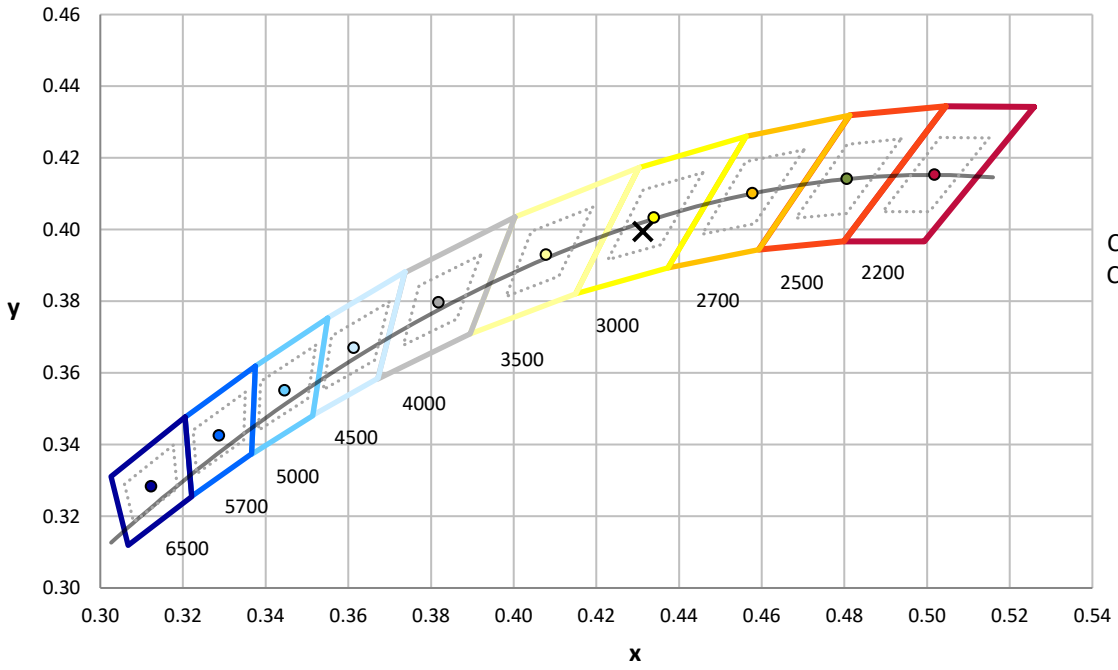
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

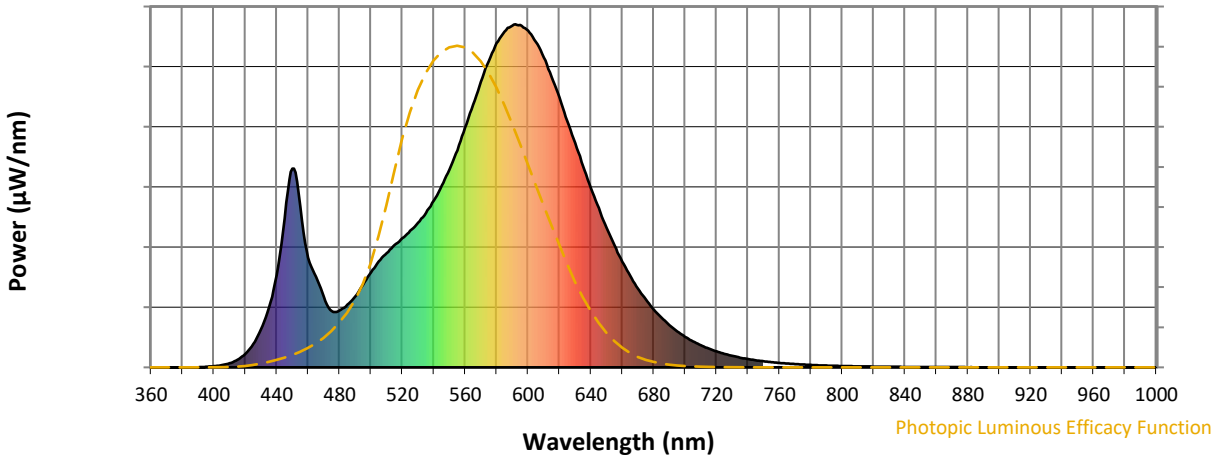


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

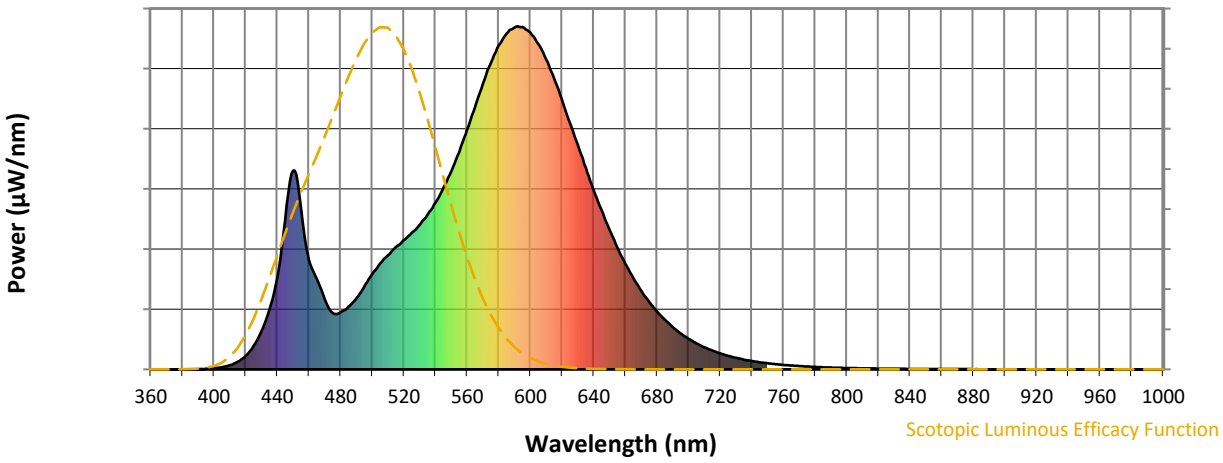


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

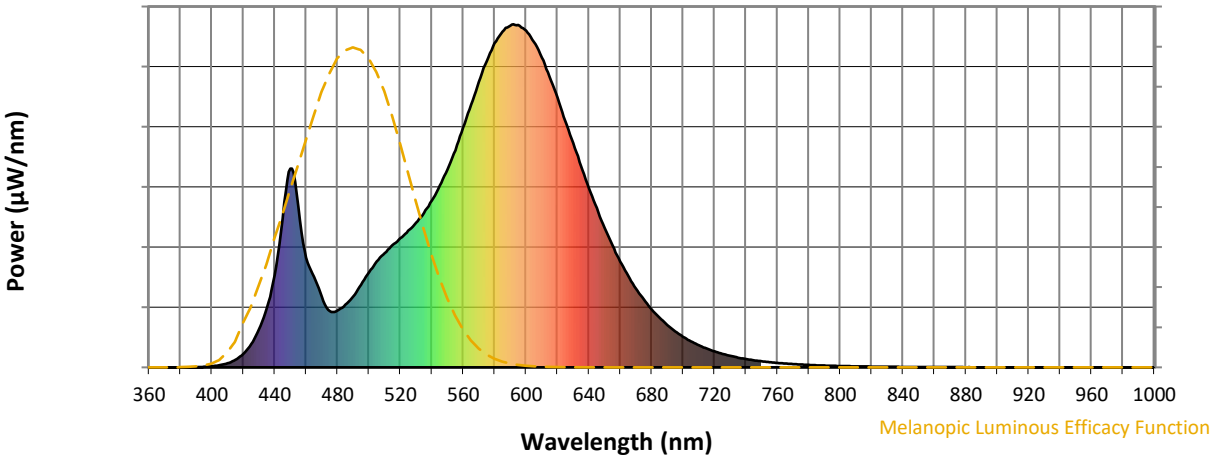


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

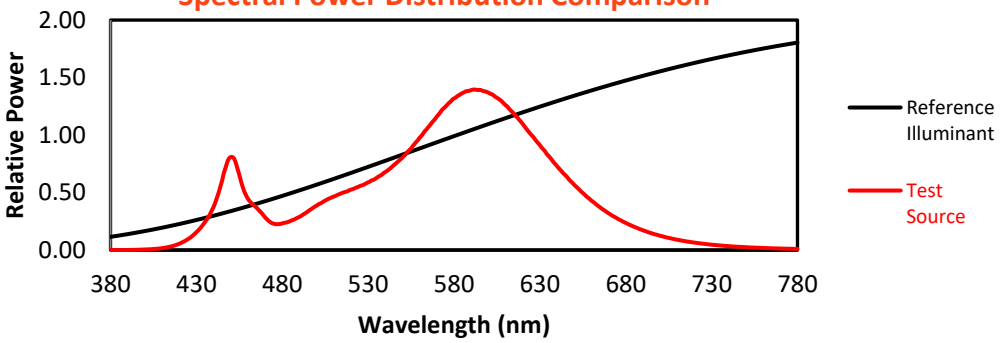
REPORT NUMBER: SP1-2501-332-4

TM-30-18

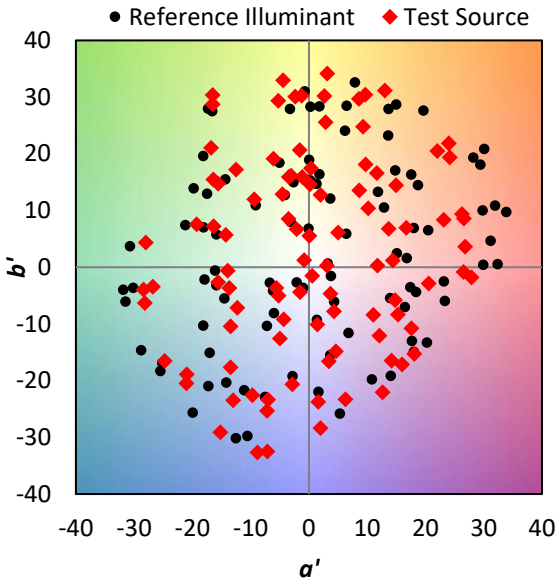
Summary

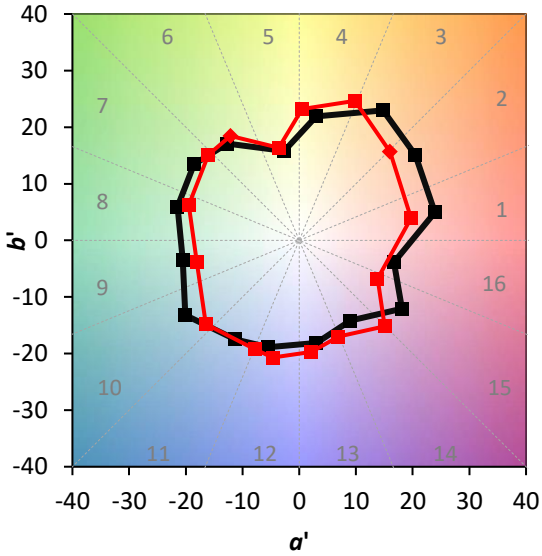
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

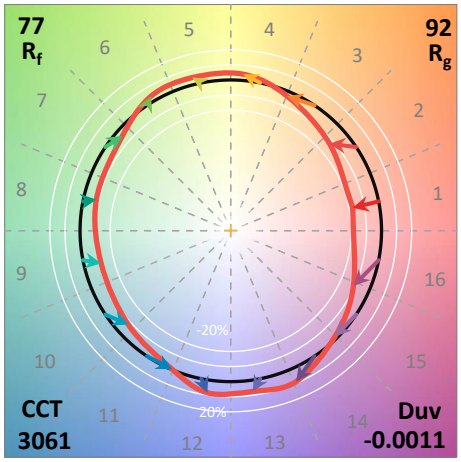
Spectral Power Distribution Comparison

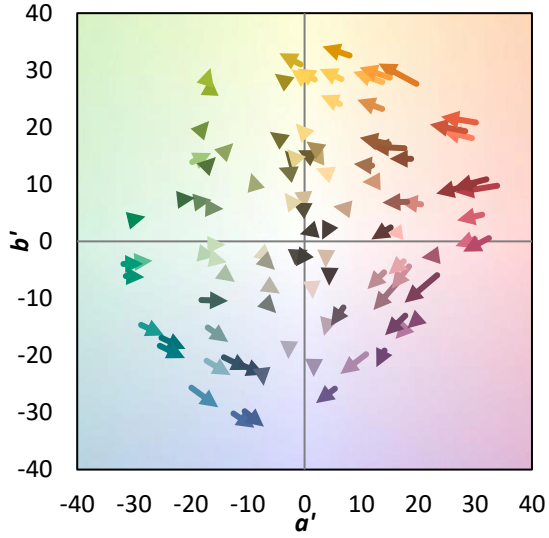


Color Vector Graphics







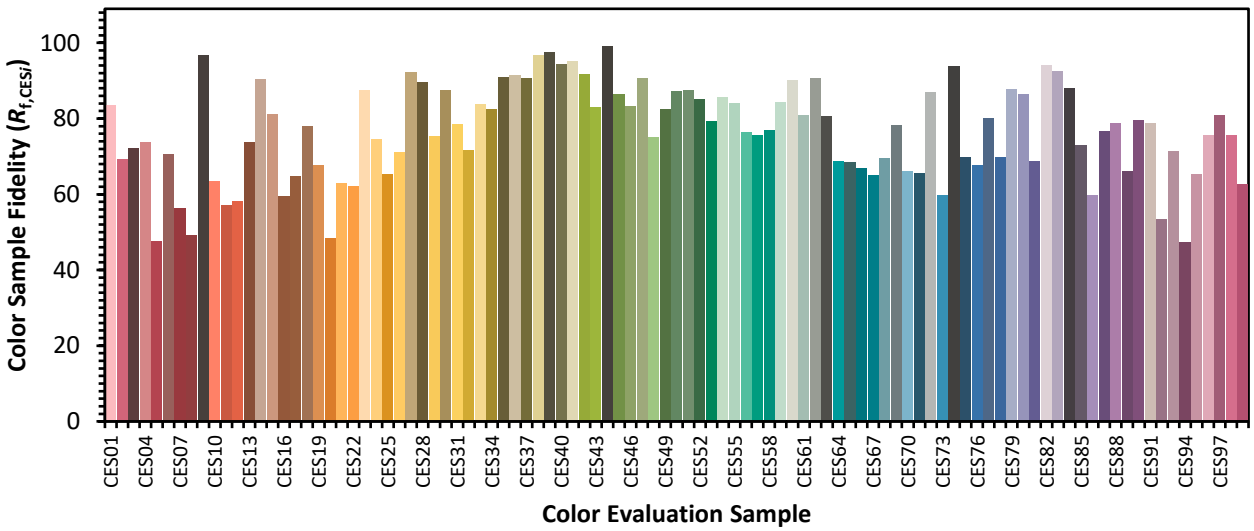


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

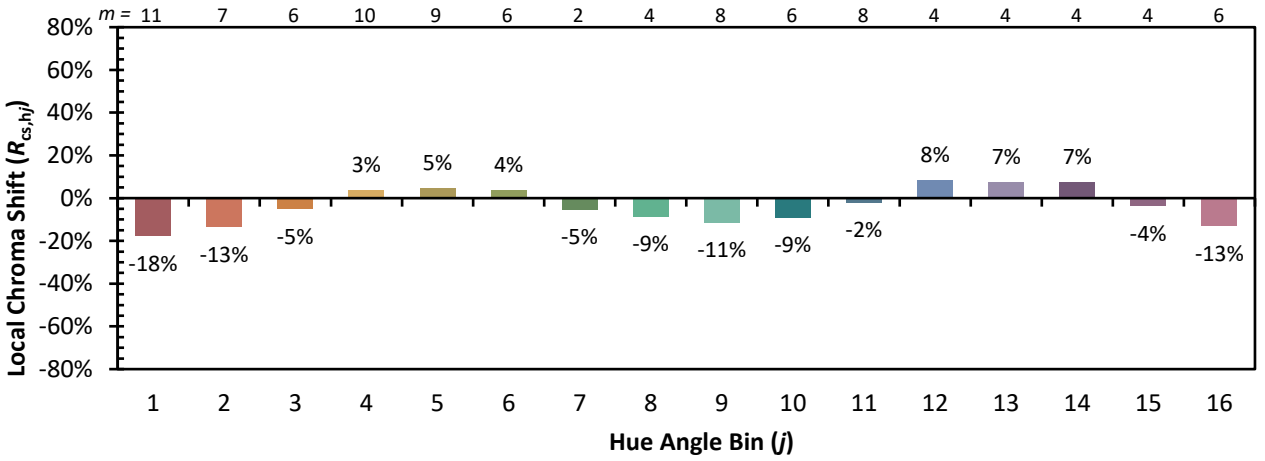
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

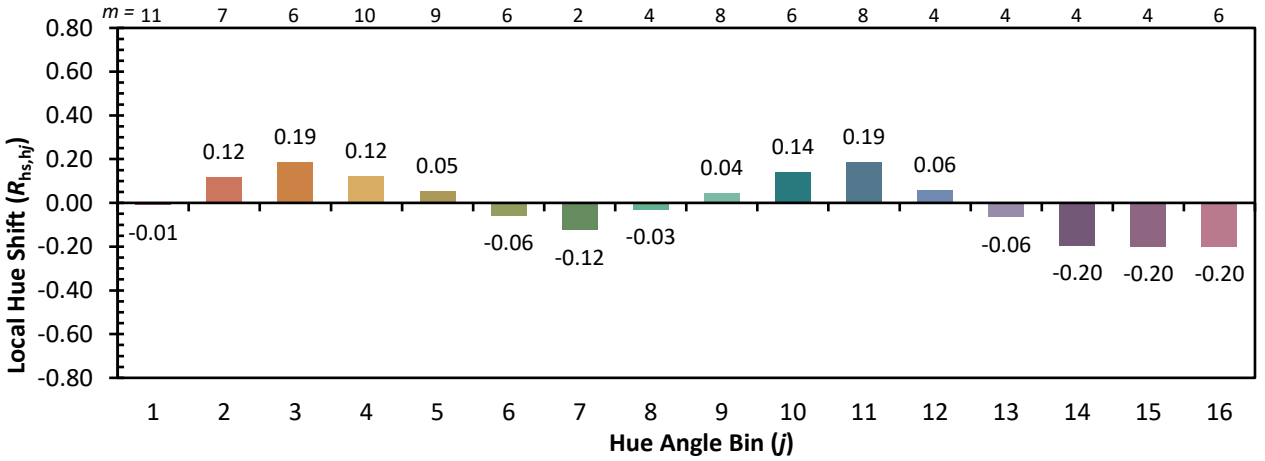


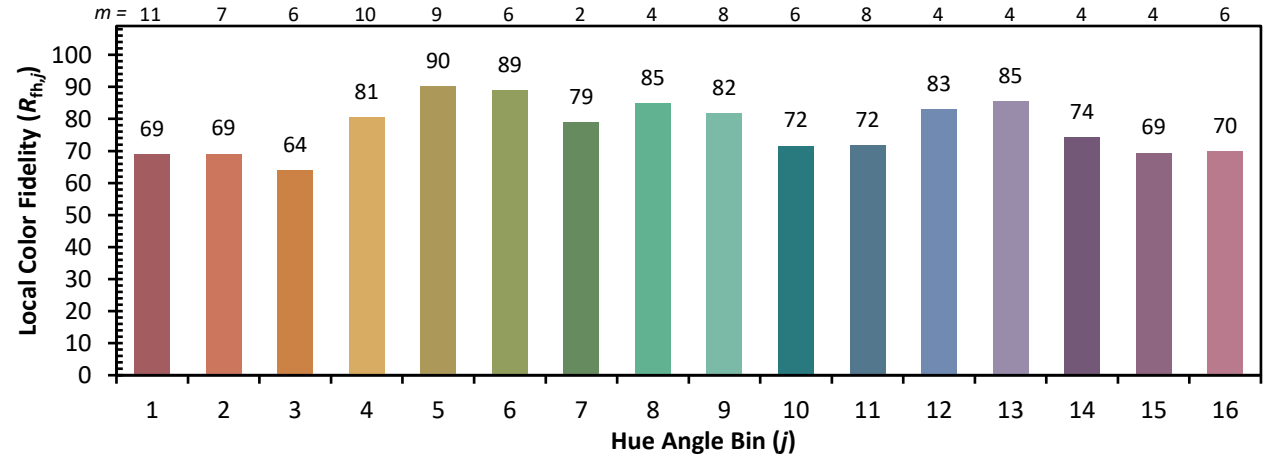
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Color Rendition by Hue-Angle Bin



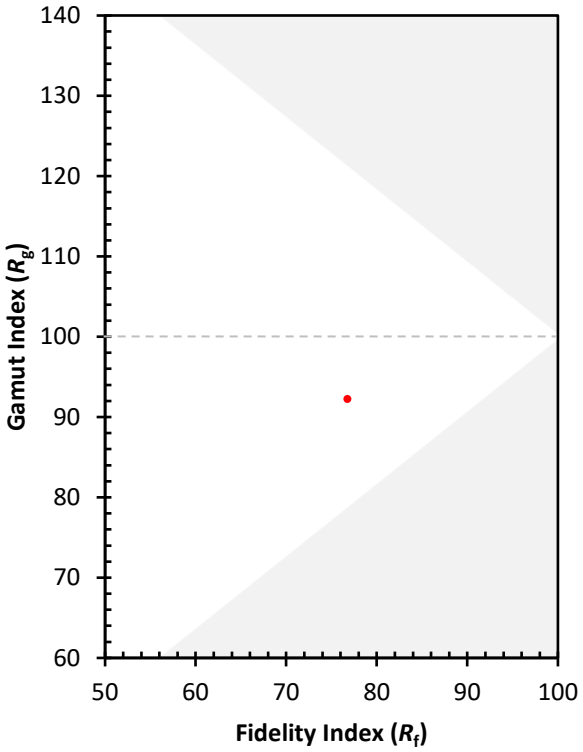


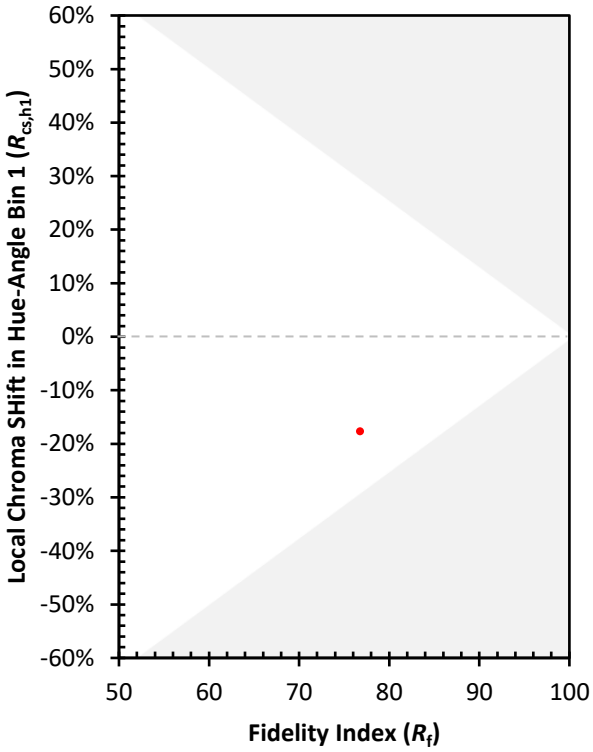


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Measure Comparisons





(END OF REPORT)